

# The Tech



Volume LVII, No. 19

CAMBRIDGE, MASS., FRIDAY, APRIL 16, 1937

Price Three Cents

## Course III Split In Recent Move By Dr. Compton

Division Will Add Course XIX  
Of Metallurgy Department  
To Curriculum

New Department Will Focus  
Attention On Metal Production

Economics of Metal Manufacture  
and Ceramics Also  
Included

Division of Course III, the Department of Mining and Metallurgy, into two separate courses was announced by Dr. Karl T. Compton, President of the Institute, before a meeting of the faculty yesterday afternoon. The new Course XIX, the Department of Metallurgy, will be headed by Dr. Robert S. Williams, present professor of physical metallurgy; the renovated Course III, the Department of Mining, will be headed by Professor W. Spencer Hutchinson, present head of that course.

To be launched next autumn, the new Department of Metallurgy will concentrate on physical and process metallurgy and metallurgical production from an economic standpoint, and will include a course in ceramics. The Department of Mining is to include the course in petroleum production.

Said Dr. Compton, announcing the course division, "— as time goes on the mining engineer will be confronted with the increasingly difficult task  
(Continued on Page 4)  
Course III

## 5:15 Spring Dance Will Come Tonight

Belle Lane Featured Vocalist,  
Ken Reeves' Orchestra  
Furnishes Music

Miss Belle Lane, a senior at Wheaton College in Norton, Mass., will be the featured vocalist with Ken Reeves' orchestra tonight at the Annual Spring Dance of the 5:15 Club in the main hall of Walker Memorial.

Miss Lane who has gained an enviable local reputation by singing at the Harvard Business School Prom, the Harvard Law School Prom, the Senior Prom at Mt. Holyoke, and the Dartmouth Winter Carnival, has just signed a contract with a national radio hook-up to appear on a nationwide program starting next fall.

Sharing the limelight with Miss Lane is the Attractometer, the new device to be used to determine the admission cost for the couples. There is a basic charge of \$1.10 and the rest  
(Continued on Page 4)  
5:15 Dance

## Course XIX Will Not Be Entirely New; Majority Of Studies From III, III,

Recognizing the steadily expanding scientific knowledge and the prospect of important industrial developments in the fields of mining and metallurgy, the Institute is dividing the present Course III into two courses, the Department of Mining which will remain as Course III and the Department of Metallurgy which will be designated as Course XIX.

The Department of Metallurgy, headed by Dr. Robert S. Williams, Professor of Physical Metallurgy, will have on its staff Professor George B. Waterhouse; associate professors Carle R. Hayward, Victor O. Homberg, John T. Norton, and Francis Bitter; and assistant professors Igor N. Zaverine and Morris Cohen. The new department will be essentially a combination of options 3 and 4 of the old Course III with the inclusion of several new courses of study.

# New Architecture School Will Be Built Next Year On Massachusetts Avenue

## Rogers Last Link With Institute Of The Past

Technology Born With  
Signing of Bill  
In 1861

First Plans for School Made  
By Rogers Brothers In 1846

First Graduating Class, 1868,  
Boasted of Fourteen  
Members

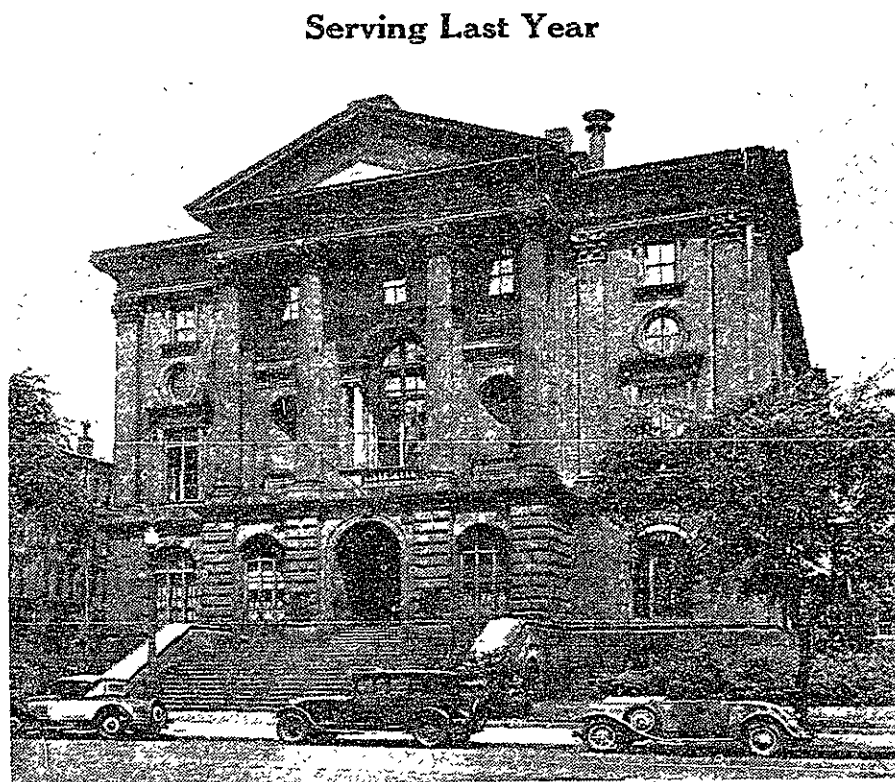
The sale of the Rogers building on Boylston Street breaks the last physical link between Technology and its inauspicious beginning in April, 1861, when John L. Andrew, War Governor of Massachusetts, signed the bill providing for the founding of the Massachusetts Institute of Technology.

More than 15 years before, Henry Rogers, and his brother, William Barton Rogers, first president of the Institute, had drawn up the preliminary plans for a "Polytechnic School in Boston" under the Lowell Fund. Meanwhile, the Lawrence and Sheffield Scientific Schools had been  
(Continued on Page 4)  
History of Technology

## To Sing For Commuters



Miss Belle Lane



The Rogers Building which will make way for an office building.

## Dance Plans Made By Catholic Club

"Spring Fever Dance" Will Be  
Staged At Walker Mem.  
Next Friday

At a meeting of the Tech Catholic Club last evening in room 10-267, plans were developed for a dance, similar in form to the "Fall Acquaintance Dance" held last fall, to be known as the "Spring Fever Dance." This dance will be held in Walker Memorial on Friday, April 23, and is planned to be stag. It is expected that support will be given the affair by the various girls' colleges in the neighborhood of Boston.

The feature of the evening will be the new "Seesothemofeverometer," a complicated apparatus which, according to its inventors, "will legitimately and accurately classify the guests attending the dance into four classes according to their respective heat values." Each of these classes will be identified by a particular colored card, and during the evening, various combinations of colors will be paired off.

## A.I.E.E. Hears Talk By Former Professor

Dugald C. Jackson Speaks On  
Engineering Societies

At a meeting of the American Institute of Electrical Engineers held last night in Eastman lecture hall, Professor Emeritus Dugald C. Jackson, former head of the department of Electrical Engineering, spoke on "Engineering Societies Throughout the World." Professor Jackson described the forms of the engineering societies in many of the twenty-two countries of the world through which he had traveled as a consulting engineer, and related many personal experiences he had had in the far east.

After Professor Jackson's speech, a Mickey Mouse movie was shown and then a copy of "Man, the Unknown" was raffled off.

It was announced that the next meeting of the A. I. E. E. would be a banquet on May 24,  
(Continued on Page 4)  
Course Division

## Serving Last Year

## Peace Committee Selects Speakers

Cronkhite and Davis Added to  
List of Speakers At  
Conference

At a meeting of the Steering Committee for the Peace Conference yesterday afternoon, two more of the authorities who will speak at the conference were announced. They are Leonard Cronkhite, who will talk on collective security as a means of preserving peace; and either Howard P. Davis, or his assistant J. Lester Hankins, who will discuss mandatory neutrality.

Mr. Cronkhite attended the Institute in the year 1901-1902. He was a Rhodes Scholar from 1905 to 1908 and is also a former president of the American Association of Rhodes Scholars. At present he is a merchant and importer of raw materials. His interest in peace and his qualifications to speak on it are manifested by his trusteeship in the World Peace Foundation, and by the fact that he is a member of the Board of Directors of the League of Nations Association.

Mr. Davis is the New England Director of the Emergency Peace Campaign. He will speak on the sort of mandatory neutrality legislation that is represented by the Pittman Bill, which attempts to control the participation of American industry in international strife.

## Gliding Enthusiasts Soar in Two Groups

Experienced Pilots at Cape;  
Beginners at Concord

Two groups of gliding enthusiasts will go soaring this afternoon. The first, with eight members, is composed of students who have soaring pilot licenses earned at Elmira, N. Y., last summer. They will go to Wellfleet by the Sea on Cape Cod, the site of a former German gliding group, under the leadership of Benjamin W. Badenoch, '39, secretary of the Aeronautical Engineering Society, and Chief Instructor.

(Continued on Page 4)  
Gliders

## New Structure May Include Large Auditorium

T-Shaped Building Will  
Face Massachusetts  
Avenue

New Chemistry Lecture Room  
Will Be Made In Main Group

Architectural School Will Make  
Proposed Addition Its  
Permanent Home

A new building to house the School of Architecture, made homeless by the recent sale of the Rogers Building, and to provide additional space for other departments, will be started in the fall to be in readiness for occupancy late next year, it was announced last night.

Tentative plans for the new structure indicate a floor space of 1,600,000 cubic feet, possibly including a large auditorium and space for activities now in other parts of the Institute. The building will probably be of T-shaped structure and will face on Massachusetts Avenue, one wing connecting with the Pratt School of Naval Architecture and the stem joining the western end of the main building at 69 Massachusetts Avenue.

New Library Will Be Added  
The release of space in the main buildings, resulting from the transfer  
(Continued on Page 4)  
Rogers

## Prof. Robert Rogers Says Technology Men Lack Sense of Humor

"Would Publish Funny Magazine  
If They Did," Professor  
Claims Yesterday

"Tech men have no sense of humor," Professor Robert E. Rogers told a group of 50 Technology students last night. "If there is any humor in Tech men, why aren't they able to put out a funny magazine occasionally—at least once in ten years?" Professor Rogers maintained.

In his remarks, which followed a debate between M. I. T. and Radcliffe freshmen on the subject of humorous debates, Professor Rogers stressed  
(Continued on Page 4)  
Debate

## Claire Will Lecture On Color Photography

Photographic color prints will be discussed by Alexander Clair of the Eastman Kodak Company tonight at 7:30 o'clock in Eastman lecture hall.

The lecture, arranged by the Photographic Committee of the Faculty Club, will be supplemented by demonstrations as far as is possible. The method to be demonstrated is the Eastman Wash-Off Relief Process.

The lecture is open without charge to all members of the Faculty and student body who are interested in photography. Following the lecture Mr. Clair will answer questions pertaining to the process.



# The Tech

Vol. LVII APRIL 16, 1937 No. 19  
MASSACHUSETTS INSTITUTE OF TECHNOLOGY

## Managing Board

General Manager ..... Richard G. Vincens, Jr., '38  
Editor ..... Robert E. Katz, '38  
Managing Editor ..... Dudley A. Levick, Jr., '38  
Business Manager ..... Douglas G. Esperson, '38  
Associate Business Manager ..... James C. Longwell, '38

## Editorial Board

Frederick J. Kolb, '38 ..... Herbert K. Weiss, '37  
Harold James, '38

## Associate Board

Assistant Editors  
Edward P. Bentley, '38 ..... Maurice A. Meyer, '39  
Samuel L. Cohen, '39 ..... Ida Rovno, '39  
Andrew L. Fabens, Jr., '39 ..... Edwin K. Smith, Jr., '39  
William A. Merritt, '39 ..... Ralph S. Woollett, '39

## Business Associates

David R. Bartlett, '39 ..... George Dadakis, '39  
Walter N. Brown, Jr., '39 ..... Leonard Mautner, '39

## Staff Assistants

Harold R. Strauss, '38  
Special Photographers  
Lawrence R. Steinhardt, '37, and Leon L. Baral, '38

## Offices of The Tech

News and Editorial—Room 3, Walker Memorial, Cambridge, Mass.  
Telephone KIRKland 1882

Business—Room 301, Walker  
Telephone KIRKland 1881

SUBSCRIPTION, \$1.50 Per Year

Published every Tuesday and Friday during College year,  
except during College vacation.

Entered as Second Class Matter at the Boston Post Office  
Member Eastern Intercollegiate Newspaper Association

REPRESENTED FOR NATIONAL ADVERTISING BY

National Advertising Service, Inc.

College Publishers Representatives

420 MADISON AVE. NEW YORK, N.Y.

CHICAGO - BOSTON - SAN FRANCISCO

LOS ANGELES - PORTLAND - SEATTLE

Night Editor: Phelps A. Walker, '40

## UNIFIED TECHNOLOGY

### ANOTHER STEP FORWARD

IF one looks at a drawing of the architect's conception of the "Technology of the Future," it may look very fanciful and improbable of realization within any reasonable time. But each time a step is taken toward this aim, each time a new building is constructed, our faith in the prospect of its not-too-distant realization becomes stronger.

So it was when the sale of the Institute's Boston property and the construction of a new school of Architecture in Cambridge were announced. The new building will fill the gap on the Massachusetts Avenue side of the Institute. No longer will the unadorned brick walls of the inner buildings greet persons entering from that side.

More important, from the point of view of actual work by the staff and students, is the fact that the new building will permit an expansion of other departments, since not all of it will be required for architecture. Together with as much of the twelve-million-dollar expansion plan that is complete by the end of next year, this additional space will relieve the cramping that has limited several departments severely.

Another advantage, and from some points of view the most important, is that the Institute will be really unified again. For years the architects have been considered a race apart. Most of the rest of the Institute has thought of them as being somehow different, or perhaps a little queer, at least for Technology, the home of Science and Engineering. Their location has made it practically impossible to overcome this idea, for after the sophomore year, architectural students have very little reason even to come over on this side of the river. The number of them in activities is small, especially if we look at activities other than those which are located in the Rogers building. But the architects are no different from other students, merely because the courses they take are different. It is time we stopped thinking of the department of Architecture as practically a separate school. The amount of co-operation and understanding between other departments has been increased greatly during the past few years; now at last the architects are being removed from their isolation.

And so another step toward a "Greater Technology" has been taken. Of course, this step will be incomplete until others are made. The move will intensify the need for additional dormitories. Other facilities will probably be taxed as well. Certainly no rearrangement of space in the older Institute buildings will be complete or final without considering building plans under the expansion program an-

nounced last fall. Although Dr. Compton stated at the time that it seemed desirable not to make an intensive campaign for funds, it might be a good idea to try to secure enough for at least the building portion of the program in a short time so that all the new construction could be done over substantially the same period of time. But even without that, the moving of the Architecture Department across the river to join the rest of the Institute in Cambridge is an important step forward in the progress of the Institute.

## SUPREME COURT

### WATCHES POLITICAL SKIES

PRESIDENT Roosevelt may in the end do no more as far as the Supreme Court is concerned, but he has certainly shown that the Court does not judge its cases from an abstract standard, without regard to the tides that may be sweeping the political seas. There may be some who will argue that the Court's recent reversal in defining the meaning of "interstate" was not influenced by the commotion that has been raised about the "ingrained conservatism" of most of the justices to use one of the milder terms, but it is difficult to see any basis for this stand, especially when one considers that in this case the change was caused by the reversal of only one justice, who, being more nearly "on the fence" than most of the others, would naturally be more easily influenced to change his position.

The Court's latest decisions prove again that the Constitution, far from being nearly fixed, is on the whole just what the Supreme Court says it is. Or in the case of a divided court, it is what one or two justices say it is. If they should decide that it is expedient to do so, they can, and do, change the meaning of the Constitution. Perhaps this was the main reason for President Roosevelt's enlargement proposal. If so, he has shown again his political ability. And he has taken some of the force out of his opponents' cries, "Keep the Supreme Court out of politics." For the Supreme Court never was completely non-political. Petty politics may not effect the justices, but something big certainly does.

## OPEN FORUM

### Hour Quizzes

*Editor's note: If every student knew that the quiz is over at the ringing of the bell, the fifty-minute hour would be perfectly fair. But all students do not know, particularly because some quizzes actually do end five minutes after the bell, and students have no way of distinguishing these quizzes from the fifty-minute ones. Furthermore, in some quizzes students in the distant end of the room have three to five minutes more than in the end where proctors begin collecting. These conditions are not true of some examinations, but they are true of many others. The case of the sophomore sitting in the second row during an 8.04 quiz whose paper was snatched from him so suddenly when the bell rang that he had to run after the proctor to give him the first sheet is an example of the practices to which we objected. In that particular quiz the reason for the great haste was probably an insufficient number of proctors.*

Editor, The Tech: Concerning your editorial on "Hour Quizzes," I do not feel that the situation has been fairly considered. Here is a bit of the other side.

Granted that it is annoying to have a proctor snatch a quiz paper from under your pencil, I do not think you will find this so prevalent except in cases of necessity. Every student knows that the quiz is over at the ringing of the bell, and yet many start to work feverishly at this time to finish up. There are some who will not surrender their papers even when requested to do so—what is to be done? Shall a few men be given the benefit of the extra time denied others? Another factor entering into the situation is that once the bell has rung, the restraint has been removed and only too often additional information—hitherto lacking—is obtained in this period.

As far as the fifty-minute hour is concerned, each student is given the same time to work—if the late papers are snatched and if everyone gets to the room on time. Since marks are on a relative and not an absolute scale, why worry? In addition the examination is made out with the fact in mind that the time will be but fifty minutes. Do you worry about having a full sixty-minute hour for regular classes?

—ROBERT C. GLANCY, JR., G.

## Reviews and Previews

**METROPOLITAN**—For the coming week, the feature include Joel McCrea and Barbara Stanwyck in *Internes Can't Take Money* and, on the stage, *Melody Parade* with Roger Pryor and his band.

**STATE AND ORPHEUM**—*Personal Property* with Jean Harlow and Robert Taylor and *Devil's Playground* starring Richard Dix, Dolores Del Rio and Chester Morris comprise the new show opening today.

**RKO BOSTON**—Stage attraction for the coming week is *Slums of Paris* coming from the Montmartre. On the screen is *Make Way for a Lady* with Herbert Marshall and Anne Shirley.

**KEITH MEMORIAL**—Charles Boyer and Jean Arthur in *History is Made at Night* and Virginia Bruce and Kent Taylor in *When Love Is Young* are the co-features on the screen for the current week.

**FINE ARTS**—Now showing is *Masquerade* in Vienna starring Anton Walbrook and Paula Wessely, "Queen of Europe's Screen Stars."

**UPTOWN**—*Love is News* with Tyrone Power, Loretta Young and Don Ameche and *Sea Devils* with Victor McLaglen and Ida Lupino in the stellar roles comprise the double feature offering.

**SCOLLAY AND MODERN**—Current offerings are *Waikiki Wedding* with Bing Crosby and Martha Raye and *Circus Girl* featuring June Travis and Donald Cook.

**UNIVERSITY**—Beginning Sunday, *On the Avenue* with Dick Powell and Madeleine Carroll shares feature honors with *Fugitive in the Sky* co-starring Jean Muir and Warren Hull.

## ISSUES

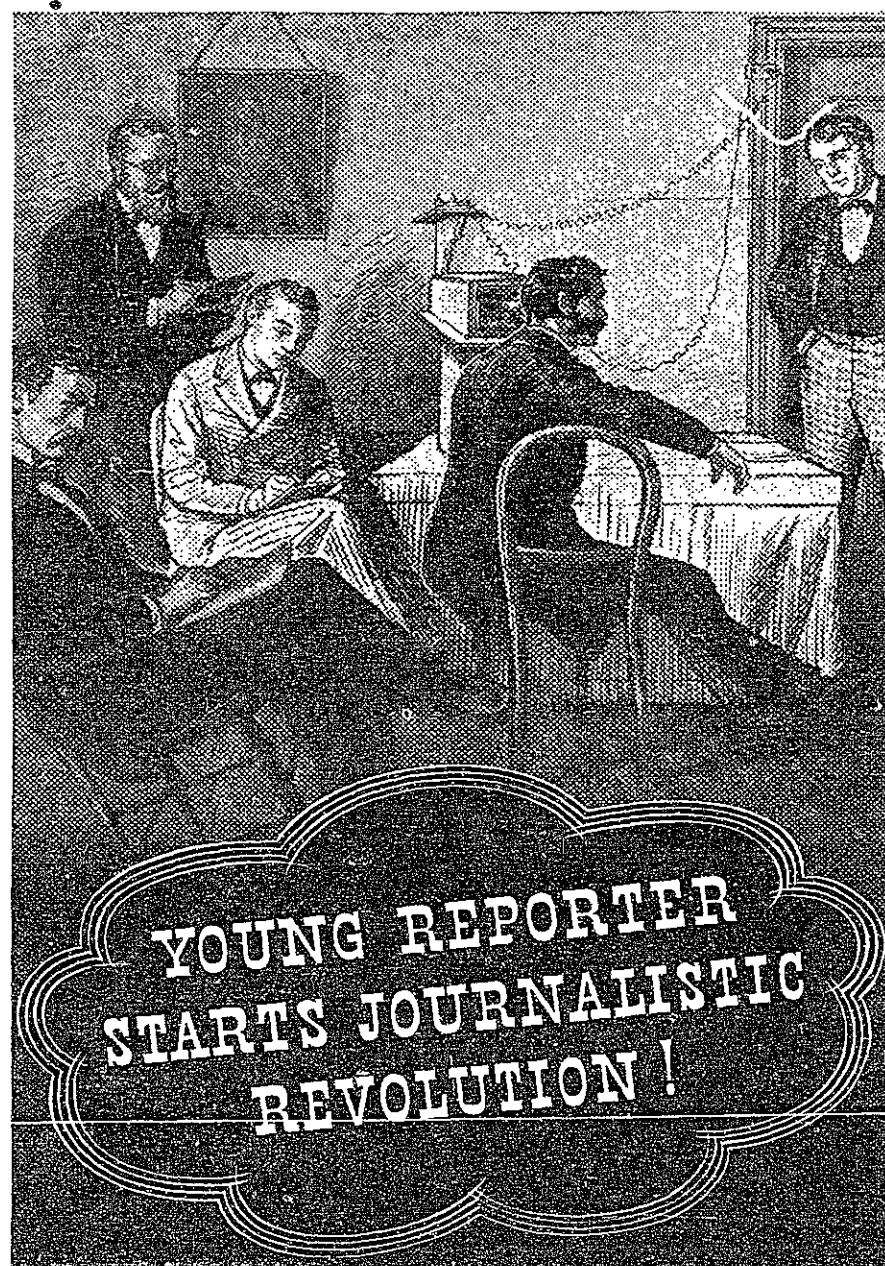
BY RICHARD G. VINCENS, JR.

**UNTIL I FIND SOMEONE TO** take the Ferret's place, I'll write Issues. Offers are in order.

**ANY FRATERNITY CAN BE** justly envious of the Francis Walker Ball last Friday. That dance should show non-fraternity men that the success of a dance is not measured by the profit, but by the people who attend. Too many times people have tried to transplant the Raymour in Walker. It's good for the treasury, but what else?

**WITH WEIR'S DEFINITE AN-** nouncement of his candidacy either Don or Jack Wallace will be President of next year's Institute Committee. Kolb is running for Institute Committee along with Cook, Muther, Hurley.

**I APPRECIATE VOO DOO'S LEFT** handed compliment to Seder. For those of you who recently found out that Peters "was Field Day Marshall", that Wright "was division Manager of such things", that Guerke "has . . . rebroken Institute records", that Dodge "learned the backstroke in two weeks", Seder was one of the founders of both the Debating Society and Tech Union, ran last year's Peace meeting which raised the cause of peace to a respected position, was President of the Menorah Society at Technology and of the Intercollegiate Menorah, was correspondent for a Boston newspaper for the last year, was Managing Editor of The Tech and is in the Honors Group of his course. Credit where credit is due, Phosphorus.



It happened in Salem, Mass., on February 12, 1877. The young reporter attended a demonstration of inventor Bell's new telephone—then "talked" his story to his paper in Boston by telephone!

Though he didn't realize it, he was inaugurating a new era in journalism. For today's newspapers could hardly exist without the telephone.

Gathering and spreading news with lightning speed is just one of the telephone's countless contributions to modern life. And 300,000 Bell System people strive constantly to make the service still better, still more useful.

Why not telephone home oftener?  
Rates to most points are lowest after  
7 P. M. and all day Sunday.



**BELL TELEPHONE SYSTEM**



## Beaver Stickmen Show Team Play To Defeat Tufts

Engineers Win From Jumbos In Coop Field Battle By 7-4 Score

Good coaching and superior teamwork were the predominant factors which enabled the Technology lacrosse team to smash through to a 7-4 victory over the stickmen from Tufts on Wednesday afternoon on the Coop Field.

The battle remained a closely fought one throughout the first half but in the second stanza the excellent passwork of the Beavers began to take its toll in points against the Jumbos. Keeping the ball in their opponents' territory, the engineers scored three times in quick succession to break a 3-3 deadlock and went on to win with the game well under their control.

John Alexander, sophomore recruit from last year's strong frosh squad, was high scorer for the day, netting three tallies from the attack position. Stuart Paige, '39, was responsible for two points while Robert deRaismes and Dick Gidley, both seniors, each scored twice.

Gidley, who is captain of the team, played a brilliant game at the in home position but because of an injury which has kept him out of practice for about a week, he was unable to

## Golfers Open Season; Meet Tufts Tomorrow

Captain Sullivan Leads Squad Against Jumbo Golfers

Opening the intercollegiate season at the Oakley Country Club this afternoon at 2 o'clock, Technology's varsity golfers meet Tufts. The team has been practising for several weeks and is in good form.

The squad consists of four golfers, who are led by the newly elected Captain Paul Sullivan, '38. The other three berths are occupied by Lloyd Ewing, '38, the team's manager, Robert Sessler '38 and Norman Stewart '38. Four two ball matches and two four ball matches make up the meet. Each match counts one point and thus four points will take the meet.

Although a fairly large group has turned out already, Coach Cowan would like to see many more of the Institute's golfers out on the course. Free instructions will be given by the coach to all who come out.

remain in the contest for long. An excellent game was also played by Goodwin deRaismes, '37, goalie for the Beavers who made many difficult stops and in general played an alert game.

Tomorrow, with a win and a tie under their belts, the Beaver stickmen journey to Durham, N. H. to face the aggregation representing New Hampshire College.

## Trackmen Tune for Rivalry In Handicap Meet Tomorrow

The second of the spring handicap track meets will be held at 2:30 tomorrow afternoon on Tech field. Weather permitting, it will employ the cinder track on which the track squads have been practising for the past week. It is not expected that attendance will be as large as at the first meet, since Saturday is the first day of the spring vacation.

## Archibald Main '38 To Lead Tech Mermen

Dodge Awarded Straight "T" At Swim Team Banquet

Letterman for the past two years, Archibald Main, '38, was elected captain of the Tech natators for the coming year, at the annual swimming team banquet, which was held last Wednesday night in Walker. Main, who learned to navigate in the icy waters off Bath, Maine, swims the 50 and 100 yard freestyle, and the 400 yard relay.

Outgoing captain Cleon Dodge was honored by the M. I. T. A. A. with a straight "T" award and by the Varsity Club with the Varsity Club medal. Dodge, one of the finest swimmers in the history of the sport at the Institute, holds the 150 yard backstroke, the 300 yard individual medley records, and was a member of the record breaking 300 yard medley

## Tech Hoopmen Elect Two New Co-Captains At Banquet in Walker

Herasimchuk, Schneider Chosen To Lead Basketeers Next Season

Fast, little, forward Mike Herasimchuk and tall, lanky, center Paul Schneider were elected co-captains on next year's basketball team at the hoopster's banquet, which was held in Walker last Tuesday. They succeed Oliver Kangas and Vernon Lippitt.

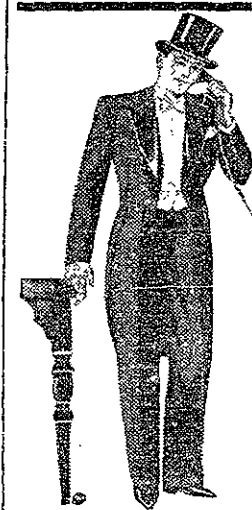
Herasimchuk, the shortest man on the team, is exceedingly elusive and played a bang-up game all season. Schneider was the outstanding man on the team, scoring on the average of twelve points a game.

team. He was the only consistent winner of the past season.

Only one man, James Agnew, besides Dodge will be lost by graduation. While these two were the mainstays of the team, chances for a more successful season next year are bright, as a large number of fast men are coming up from the ranks of the frosh team.

The entire team won its letters. At present there is a three way deadlock as to who should receive the Varsity Club award.

The basketeers are headed for a very successful season next year. Only one man, Robert Gay, will be lost through graduation. The squad, while they did quite well this year, ought to profit by the added experience and the fresh support from the yearlings.



## TAILS for Rent

New Suits. Latest Collegiate Style. High Waisted Coat and Trousers, White Vest.

\$2.50

Tuxedo \$1.50

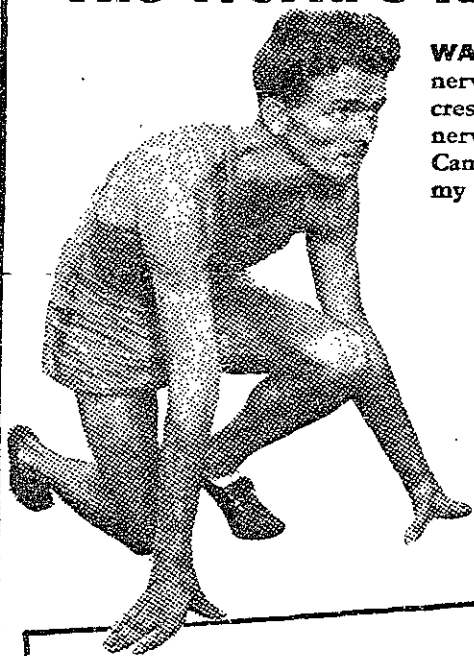
**Croston & Carr Co.**  
72 Summer Street Boston

## PAPARONE DANCE STUDIO

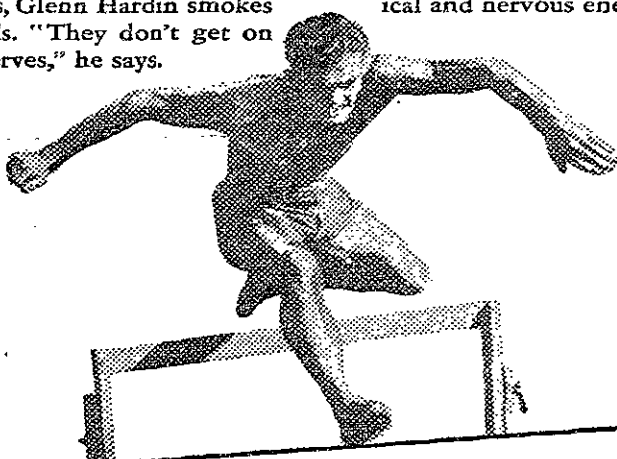
Member of the Dancing Masters of America Est. 1914  
LATEST BALLROOM DANCES SPECIALIZED  
Tap and Stage Dancing Also Taught  
Private lessons 10 a.m.—10 p.m.  
Lady and Gentleman Teachers  
Classes every Tuesday and Thursday 8:30—11, 75c  
Your Dancing Analyzed Without Charge  
1088 Boylston St.—at Mass. Ave. Tel. Com. 8071



## The World's Record Holder... Glenn Hardin... Going Over the Hurdles



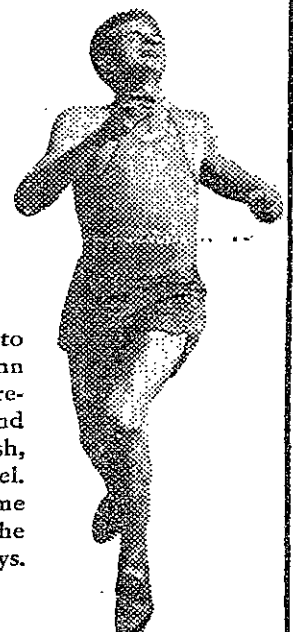
**WAITING** for the gun—when nervous tension reaches the crest. Because he prizes healthy nerves, Glenn Hardin smokes Camels. "They don't get on my nerves," he says.



**SAILING** over a low hurdle—Glenn's strained face shows how the race drains tremendous physical and nervous energy.



**TOPPING** a high hurdle—superb form helped Glenn win 2 Olympics—set the world's record. His time for the 400-meter hurdles was sensational—50.6 seconds!



**SPRINTING** to the finish—Glenn calls on all his reserve energy. And after the finish, he lights a Camel. "Camels give me a lift and ease the tension," he says.

**THE YOUNGEST MAN** on the Olympic track squad. Glenn Hardin was only 20 years old when he won his first Olympic victory for the U. S. He eats sensibly—takes good digestion for granted. The picture below shows Glenn enjoying his favorite meal—rare, thick, juicy steak,

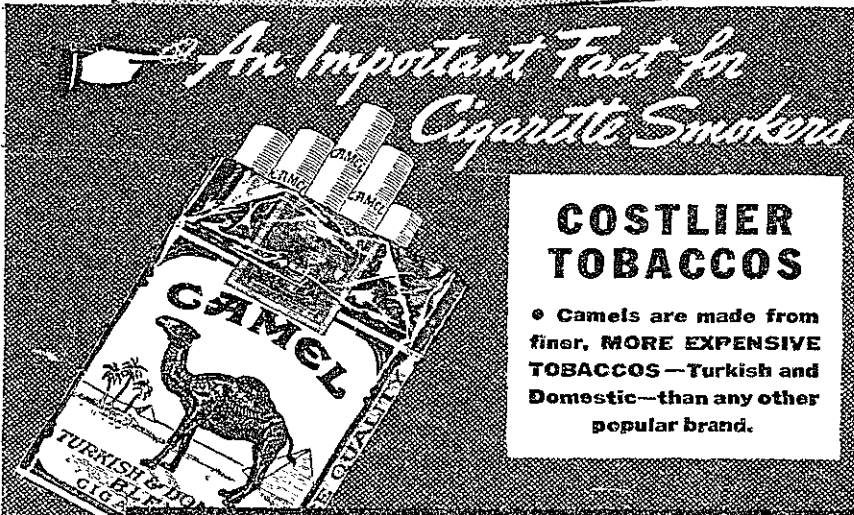
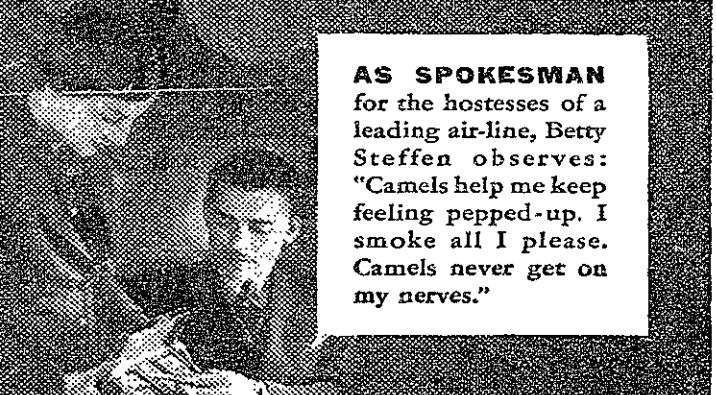
green vegetables, fruit, milk, and Camels. As Glenn phrases it: "It wouldn't do me much good to eat and not digest properly. So I smoke Camels for digestion's sake. It's grand to light up Camels and enjoy the sense of well-being that comes when digestion's o-kay."



**WORKS HARD** on all five college courses. "Rege" Kennedy, '40, says: "I smoke Camels pretty steadily—they ease the tension of long, hard concentrating. Camels don't jangle my nerves."



**AS SPOKESMAN** for the hostesses of a leading air-line, Betty Steffen observes: "Camels help me keep feeling pepped-up. I smoke all I please. Camels never get on my nerves."



**MRS. ANTHONY J. DREXEL 3rd** says: "Social life keeps nerves on the qui vive. Smoking Camels tends to minimize the strain, I find. Camels are so mild."



## HEAR HIM—LAUGH WITH HIM—JACK OAKIE'S COLLEGE

A gala fun-and-music show with Jack Oakie running the "college"! Catchy music! Hollywood comedians and singing stars! Join Jack Oakie's College. Tuesdays—9:30 pm E.S.T., 8:30 pm C.S.T., 7:30 pm M.S.T., 6:30 pm P.S.T., WABC—Columbia Network.



# CAMELS NEVER GET ON YOUR NERVES!



## CALENDAR

Friday, April 16

5 P.M.—T. C. A. Meeting—North Hall.  
6:30 P.M.—Fencing Team Dinner—Silver Room.  
7:30 P.M.—Lecture on color photography—6-120.  
8 P.M.—2 A.M.—5:15 Club Spring Dance—Main Hall, Walker.

Monday, April 19

8-12 P.M.—Cambridge High Latin Dance—Main Hall.

Thursday, April 22

6-9 P.M.—Soc. Ind. Engrs. Dinner—Faculty Dining Room.

### History of Technology

(Continued from Page 1)

founded and dissolved and on February 18, 1859, a meeting was held in the rooms of the Boston Society of Natural History to discuss the plans for the "Polytechnic School." The last of the three petitions sent by the committee of seven to bring the matter before the legislature culminated in the bill signed by Governor Andrew on April 10, 1861, the very eve of the Civil War.

#### Provisions of Bill

Three departments were created by the bill—a Society of Arts, a Museum or Conservatory of Arts, and a School of Industrial Science and Art. The first plans favored immense museums and collections, the courses of instruction playing a minor part. But in the original correspondence between William Barton and Henry Rogers the School of Science entirely predominates, and today the museums have sunk into relative insignificance, being, for instance, the collections possessed by the various departments.

The bill required, in addition that \$100,000 be raised in one year, thus beginning Technology's financial difficulties. Even with the extension of this period for an additional year, it was not until the very last day that a gift of \$60,000 was received from Dr. William J. Walker of Rhode Island, to complete the necessary \$100,000 fund. In 1865 an additional bequest of more than \$200,000 was received from him.

#### Arts Society Begins

In April, 1862, the Society of Arts began the meetings which have continued uninterruptedly to the present. In February, 1865, the School of Industrial Science was opened, recitations and lectures being held in the building of the Mercantile Library Association on Summer Street and in the dwelling of Judge Jackson on Rowe Place. Students were qualified "for the professions of Mechanical Engineer, Civil Engineer, Engineer of Mines, Practical Chemist, and Builder and Architect." A general scientific course was held, night sessions being given.

In the fall of 1865 the first annual catalogue was published. At this time there were 19 students and 10 professors, among the latter being former President Eliot of Harvard. In 1866 the school moved into the Rogers Building, which was then on the very edge of the made land of Back Bay. In 1868 the first class—14 men—graduated.

#### Rogers Resigns in 1870

In 1870 President William Barton Rogers resigned to be succeeded by John Daniel Runkle. President Rogers, born in Philadelphia in 1804, had received his education at William and Mary College and had taught Natural History at the University of Virginia. His successor was born in Root, New York, in 1822 and graduated from the Lawrence Scientific School in 1851. He founded the Mathematical Monthly and was elected to the Institute faculty in 1865. At his death in 1902 President Runkle was senior professor of mathematics and sole member of the original body connected with the Institute.

During his administration the laboratory of Mining Engineering and Metallurgy was founded. The Mechanical and Industrial Laboratory was established in 1874, being followed by laboratories in Microscopic Analysis and Industrial Chemistry. In addition, three new courses were started—Mining and Metallurgy, Biology, and Physics. A gymnasium was built, a students' lunch room opened and the admission of women students provided for. President Runkle also successfully opposed the first plans for the fusion of the Institute with Harvard.

When the panic of 1873 nearly closed the doors of the Institute, President Runkle broke down under the strain and President Rogers returned in 1878. He resigned again in 1881 with the Institute once more in a firm position, and while speaking at the graduating exercises in Huntington Hall, May 30, he died.

#### Walker Succeeds Rogers

Francis Amasa Walker, third president of the Institute, was born in Brookfield, Massachusetts, in 1840. Graduating from Amherst, he fought in the Civil War, worked as a teacher and newspaper man and served in several public capacities. During the fifteen years of his administration, the number of professors increased from 39 to 153 and the number of students from 300 to 1500. Three large buildings were added and four new courses established—Electrical Engineering, Chemical Engineering, Sanitary Engineering, and Naval Architecture. General Walker died on January 5, 1897.

Succeeding President Walker was Professor James Mason Crafts, head of the Chemistry Department, who retired in 1900 to chemical research work.

Dr. Henry Smith Prichett, was chosen sixth President of the Institute. Dr. Prichett was a Missourian by birth. Early in his administration it became evident that the present Technology site would soon be inadequate and the nucleus of the present Walker Memorial Fund was gathered. Dr. Prichett resigned in 1907 to become President of the Carnegie Foundation.

Dr. Arthur Amos Noyes, who helped found the California Institute of Technology succeeded President Prichett, served for two years and was followed by Richard Cockburn Maclaurin.

#### New Site Sought

The need for expansion recognized during Dr. Prichett's administration culminated in a constant effort during the next five years to locate a suitable site for the new Technology. The present Cambridge site was first seriously considered in 1909. In June, 1916, the Institute took final possession of its new home, the result of President Maclaurin's successful efforts to raise a substantial endowment fund.

### Rogers

(Continued from Page 1)

of offices to the new building, will make it possible for a large and well-equipped experimental chemistry lecture room to be built in the main group. It is also expected that the largest lecture room in the Naval Architecture building may be converted into a library for the Departments of Civil and Mechanical Engineering, Naval Architecture, Business and Engineering Administration and Economics and Social Science, with convenient adjacent seminar and study rooms. The School of Architecture will have its own history in the new building.

#### Rogers Sold April 12

Construction of the new School of Architecture was determined on April 12 when the Institute's original Boston property on Boylston Street, including the Rogers and Walker Buildings, was pledged to be sold to the New England Mutual Life Insurance Company early in 1938. The School of Architecture has occupied the Rogers Building, named for Technology's founder and first President, since 1916, when all other departments were moved to the Cambridge site. It was originally planned to have the Architectural School become a part of the present group.

The property recently sold occupies two-thirds of the entire block bounded by Boylston, Clarendon, Newbury, and Berkeley Streets. It comprises 87,680 square feet of land, with a frontage of 365 feet on Boylston Street, 240 feet on Clarendon Street and 365 feet on Newbury Street. The Rogers Building, which stands on the site, was erected in 1865, and was followed by the Walker Building, which stands between it and Clarendon Street.

The sale by which this property was acquired by the New England Mutual Life Insurance Company was concluded by C. W. Whittier & Brother. The land will be used for the erection of a home office building. It is assessed at \$2,000,000 and the recent transaction is one of the largest and most important sales consummated in Boston.

#### Bosworth is Architect

Welles Bosworth, a graduate of the Institute in 1889, and designer of the present group of Technology buildings, has been appointed architect of the new unit. He is well known as the designer of many large commercial structures and as architectural director in charge of the restoration of the Versailles Palace Parks, Fontainebleau, and the great Rheims Cathedral. He also designed the country residence of John D. Rockefeller at Pocantico Hills.

Mr. Bosworth will return to America early this summer to complete plans for the new School of Architecture.

### Course III

(Continued from Page 1)

of discovering and developing the more remote sources of supply. . . . New methods and new economics will be required. . . . We propose, therefore, to train the mining engineer specifically for his very important profession of discovering and producing the earth's natural resources.

"Metallurgy as a profession is coming of age and the promise of its maturity will best be fulfilled by the highest degree of scientific training. . . . What metallurgy has accomplished in recent years in the development of innumerable alloys of steel and lighter metals, thus opening a new era in transportation and comfortable living, forecasts a future rich in prospect."

### Debate

(Continued from Page 1)

the fact that Technology is no place for a sense of humor to thrive. "When I graduated from Harvard twenty-five years ago," he explained, "I had a sense of humor myself. Now, after having been at the Institute, I have lost almost all traces of it."

Criticizing the forensic efforts of the orators, Professor Rogers deplored the fact that the M. I. T. orators had vainly tried to "trip gaily" through their arguments, leaving the "ladies" to bring more solemn ideas to bear on the subject.

The Radcliffe debaters, Edith H. Goldsmith of Boston and Margaret O. Morin of Quincy, demanded that humorous debates be "outlawed" but the final decision was a draw with their Technology opponents, Robert S. Clements and L. Hurley Bloom.

### Course Division

(Continued from Page 1)

The head of Course III, Professor W. Spencer Hutchinson, '92, joined the staff of the Institute in 1923 after spending ten years operating in the West and twenty years as a consultant mining engineer in Boston. Among the graduates of the course are Mr. Louis Cates, '02, President of Phelps-Dodge Corporation, Mr. Temple Bridgman, '08, consulting mining engineer for the Guggenheim Brothers, William D. B. Motter, '05, assistant to the Vice President of the Chile Exploration Company, and Allen H. Rogers, consulting mining engineer in New York.

Visit our Ladies gown rental dept.

New Clothes  
Dress for Rental  
READ & WHITE  
111 SUMMER ST. BOSTON

### Catholic Club Show Casts Technology Me

Two Technology students will have parts in "Anchor's Aweigh," a musical revue which is being produced by the Federation of College Catholic Clubs on Thursday, April 29, at the Repertory Theatre. They are being supported by a cast of over 100 students from other colleges.

The men in this first production of the revue in Boston are: Henry Guerke, '37; Paul R. DesJardins, '37; John Donnelly and James Scott. . . . Together with members of the Newman Clubs in other schools, they are being coached by Mr. Hall who directed the last Vincent Club show.

Tickets are being sold to Technology students by the officers of the Catholic Club. Guerke is President of the Club.

### 5:15 Dance

(Continued from Page 1)

depends upon the individual. The actractometer measures the amount which each boy's date responds to his advances; the more she responds, the less he pays. The extra price rises in five jumps from zero to a maximum of forty cents. The officials of the Dance Committee stated that there was far more chance that the commuters would get in with no surcharge than that they would have to pay the maximum.

Milton I. Wallace, '38, chairman of the Dance Committee, has issued an answer to the statement of the Technology co-eds, who recently announced that they wouldn't be masochists of and measured by the machine. He wishes to say "that you can't measure what they haven't got."

### Gliders

(Continued from Page 1)

The other group, consisting of fourteen beginners will go to Concord, N.H. under the direction of John Wallace, '38, president of the Aeronautical Engineering Society. This summer the society plans to be represented by three ships at the National Gliding Contest at Elmira.

### UNDERGRADUATE NOTICE

The T. C. A. Office will be open during the recess at the regular hours except on Monday.

### The First Church of Christ, Scientist

Falmouth, Norway and St. Paul Sts., Boston, Massachusetts  
Sunday Services 10:45 a. m. and 7:30 p. m.; Sunday School 10:45 a. m.; Wednesday evening meetings at 7:30 p. m. which include testimonies of Christian Reading Rooms Free to the Public.  
333 Washington St., opp. Milk St. entrance also at 24 Province St., 420 Boylston Street, Berkeley Building, Second Floor.  
60 Norway St., cor. Mass Ave. Authorized and approved literature on Christian Science may be read, borrowed or purchased.

### Walton Lunch Co.

Morning, Noon and Night  
You will find All Tech at  
78 Massachusetts Avenue  
CAMBRIDGE

QUICK SERVICE  
APPETIZING FOOD  
POPULAR PRICES  
Quality First Always  
THAT'S  
WALTON'S

1080 Boylston Street  
Convenient to Fraternity Men

Be popular! Learn to dance  
well for ballroom, football  
dances, affairs, etc.

### UPTOWN SCHOOL OF MODERN DANCING

Personal dir. Miss Shirley Hayes  
330 MASS. AVE. at HUNTINGTON  
Ave. — Tel. CIRCle 9068

Newest ballroom steps, fox trot, waltz, four-hundred, rhumba, tango, etc. Beginners guaranteed to learn here. Private lessons 10 A. M. to 12 P. M. No appointments necessary. Lessons anytime.

15 Private Lessons \$5.00

Special attention to Tech students.

NOTE! Dancing Nightly with Al Hines' Swing Orchestra. Featuring Miss Eleanor Press, direct from Harlem, N. Y. Miss Harriet Carroll's 35 young lady instructors, fun for all while getting actual ballroom experience.

Price \$1.00 for all evening  
A Rendezvous for all

"Kay, what'll we give 'em?"

"Music and Rhythm Hal, everybody loves it!"

It's Chesterfield Time

HAL KEMP

Voted most popular dance band

Starring KAY THOMPSON

EVERY FRIDAY AT 8:30 P. M., E. S. T.

ALL COLUMBIA STATIONS

Chesterfield

THE FIRST PRODUCT TO HOLD TWO NATIONAL RADIO AWARDS